

# PATENT ABSTRACTS OF JAPAN

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(54) SCREEN FRAME AND SCREEN PRINTING MACHINE USING THE SAME

(57)Abstract:

PURPOSE: To minimize the permanent set of a screen fitted to a screen frame and maintain a constant snap off, by composing a screen frame of a pair of guide means each of which has one end part engaged with each of both end parts of one of mount frame bodies and has the other end part slidably engaged with each of both end parts of the other mount frame body, and a springy means fitted to the mount frame body.

CONSTITUTION: A screen frame 10 comprises a fixed mount frame body 12, a movable mount frame body 14, a screen 16 stretched between the frame bodies 12, 14, and a tension coil spring 20 fitted to the movable mount frame body 14. A pair of guide rods 18, 18 are disposed in parallel to each other, and each of the rods 18, 18 has one end part fitted in and fixed to each of both end parts of the fixed frame body 12, the both end parts being fixed to a guide rod support part 28. The other end part of each of the guide rods 18, 18 is slidably engaged with the movable mount frame body 14. When a squeegee is pressed against the upper side of the screen 16, the screen 16 is brought into contact with an object 36 to be printed, and is bent, whereby the tension on the screen 16 is increased. Because the movable mount frame body 14 is moved along the guide rods 18, 18 against the force of the spring 20, the elongation of the screen 16 is reduced, and

